

Work Order ID 142224

Wednesday, March 02, 2016 2:36:42 PM

142224

~~PRELIMINARY ISSUE~~

Page 1

Item ID: D3219-5 Accept ***N9000040100*** Setup Start ***NS1***
Revision ID: *Plate* Stop ***NS2***
Item Name: ~~Washer~~ **POSITIVE RECALL**
Start Date: 3/8/2016 Start Qty: 4.00 ***4*** Cust Item ID:
Required Date: 3/11/2016 Req'd Qty: 4.00 ***4*** Customer:
Reference:

Approvals: Process Plan: ML5 Date: MAR 02 2016 Tooling: _____ Date: _____
QC: _____ Date: _____ SPC (Y/N): _____ Date: _____
Run Start ***NR1***
Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
D3219	REV B2 <i>Rev B</i>								
100	FLOW WATER JET	0.00				(4)			<i>16/03/03</i>
100									
Waterjet	Memo	0.00							
FLOW CNC Waterjet	1-Cut as per Dwg D3219 Dwg Rev: <u>B2</u> Prog Rev: <u>B2</u>								
110	QC2- Inspect parts off machine FAI/FAIB	0.00				(4)			<i>16/03/03</i>
110									
QC	Memo	0.00							
Quality Control									
120	QC8- Inspect parts - second check	0.00				(4)			<i>16/03/03</i>
120									
QC	Memo	0.00							
Quality Control									

DAS
38
9-89
MAR 04 2016

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :				MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval	
Description Work Order Deviation				Disposition					
Root Cause		FAULT CATEGORY							
Environment ☐	☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐			
Design ☐	☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐			
Doc/Data ☐	☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐			
Equip/Tooling ☐	☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐			
Handling/Pre ☐	☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐			
Material ☐	☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐			
Internal Transport ☐	☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐			
Tribal Knowledge ☐	☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐			
LOA ☐	☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐			
Substation ☐	☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐			
Past Expiry Date ☐	☐	Manufacturing Process ☐	OTHER : _____						
Misidentified ☐	☐	Past Due ☐							

Work Order ID 142224

Wednesday, March 02, 2016 2:36:42 PM

142224

PRELIMINARY ISSUE

Page 2

Item ID: D3219-5 Accept *N900040100* Setup Start *NS1*
 Revision ID: Stop *NS2*
 Item Name: Washer
 Start Date: 3/8/2016 Start Qty: 4.00 *4* Cust Item ID:
 Required Date: 3/11/2016 Req'd Qty: 4.00 *4* Customer:
 Reference:

Approvals: Process Plan: Date: Tooling: Date: Run Start *NR1*
 QC: Date: SPC (Y/N): Date: Stop *NR2*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
150	Identify as per dwg & Stock Location: <u>PRELIM</u>	0.00							DAS 38 0.00
150									
Packaging	Memo	0.00							
Packaging	Qty of 2 of use *** STOCK IN STEP CELL *** for tooling LOCATION: WA003								2 16-8-17 2016 JH
160	QC21- Final Inspection - Work Order Release	0.00							AUG 18 2016
160									DAS 21 0.00
QC	Memo	0.01							
Quality Control									U 16-8-16

POSITIVE RECALL
 EFFECTIVE MAR 02 2016
 AUTH MWS
 RELEASED 6 DATE 16-06-03

of row B
 as per ECN 16-056
 ENG 7105

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date : _____	Step #: _____	QTY Effective : _____		MRB (QS1042) Approval	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY			
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
OTHER : ☐					

DQA: _____ Date: _____

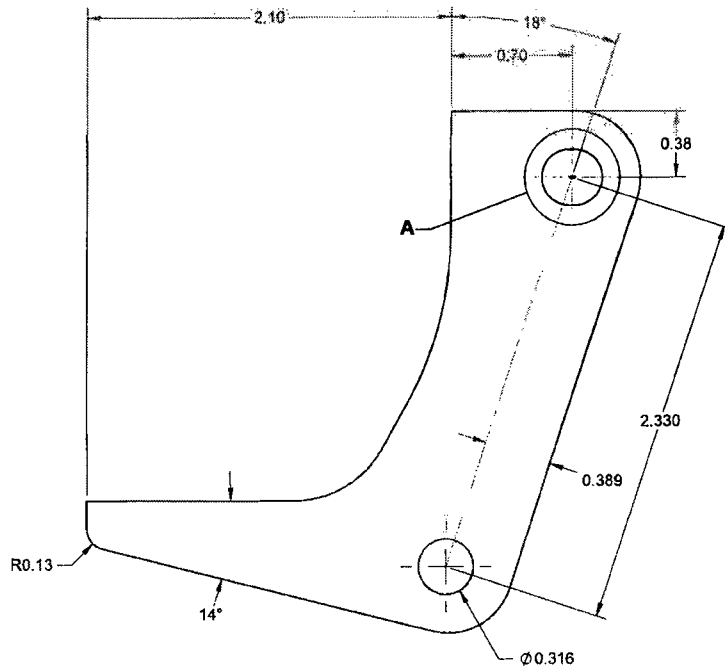


WORK ORDER NON-CONFORMANCE / UPDATE

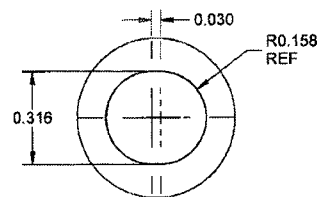
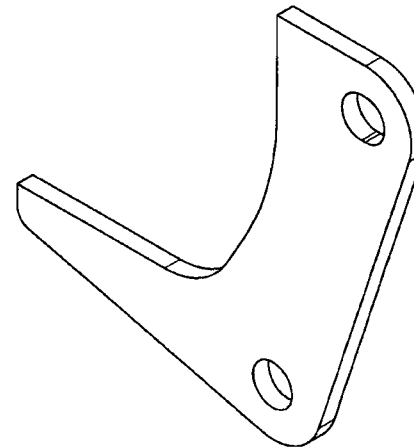
QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :				MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval	
Description Work Order Deviation				Disposition					
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐							
		OTHER : ☐							



D3219-3 PLATE



DETAIL B
SCALE 2.5X

NOTES:

- 1) MATERIAL: 6061-T6 ALUMINUM SHEET, 0.125 THICK
PER: QQ-A-250/11 OR AMS-QQ-A-250/11
OR AMS 4025 OR AMS 4027 OR ASTM B209
REF DART SPEC M6061T6S
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: NONE
- 7) WEIGHT: 0.04 lbs
- 8) ALL NON DIMENSIONED FEATURES PER DRAWING FILE D3219-3-REV B.DXF

PRELIMINARY ISSUE

DESIGN	CP
DRAWN	AJS
CHECKED	ML
MFG. APPR.	JLM
APPROVED	
DE APPR.	
DATE	15.11.27

DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWING NO. D3219	REV. B
TITLE PLATE	SHEET 2 OF 3
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B2

DQA: _____ Date: _____

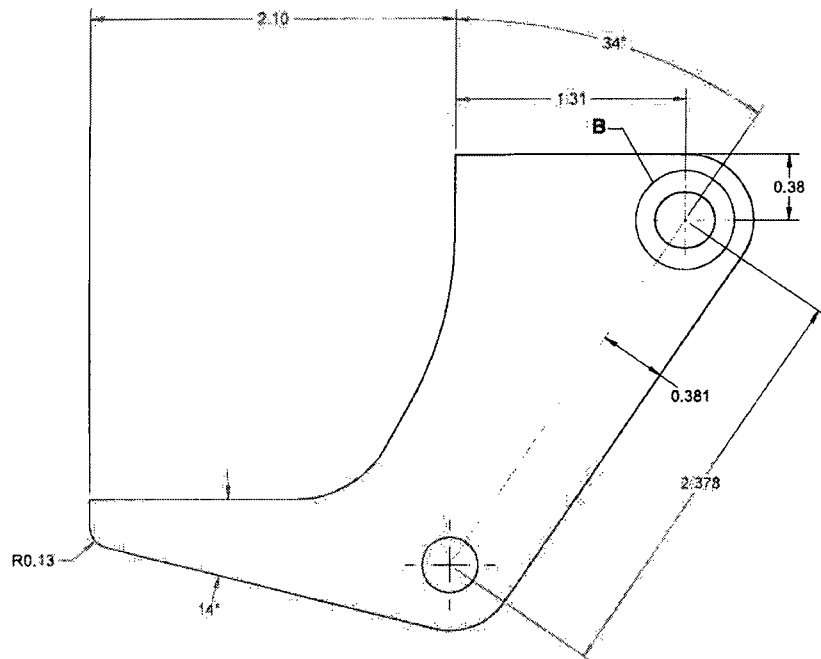


WORK ORDER NON-CONFORMANCE / UPDATE

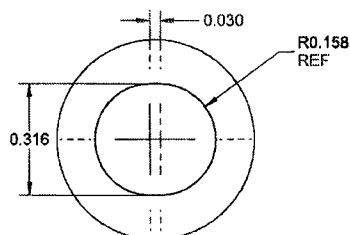
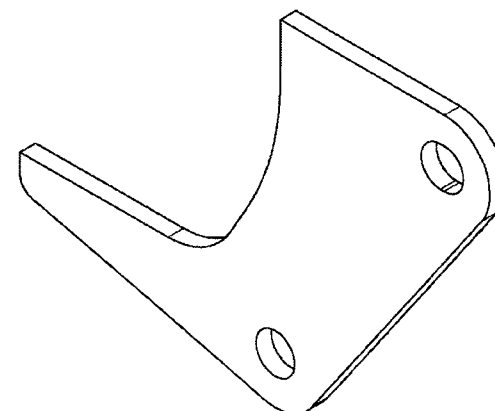
QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date :	Step #:	QTY Effective :		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition		Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval	
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
OTHER : ☐					



D3219-5 PLATE



DETAIL B
SCALE 2.5X

NOTES:

- 1) MATERIAL: 6061-T6 ALUMINUM SHEET, 0.125 THICK
PER: QQ-A-250/11 OR AMS-QQ-A-250/11
OR AMS 4025 OR AMS 4027 OR ASTM B209
REF DART SPEC M6061T6S
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: NONE
- 7) WEIGHT: 0.05 lbs
- 8) ALL NON DIMENSIONED FEATURES PER DRAWING FILE D3219-5-REV B.DXF

PRELIMINARY ISSUE

DESIGN	CP	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	AJS		
CHECKED	ML	DRAWING NO. D3219	REV. B
MFG. APPR.	JLM	TITLE PLATE	SHEET 3 OF 3
APPROVED			SCALE
DE APPR.			NTS
DATE	15.11.27	COPYRIGHT © 2003 BY DART AEROSPACE LTD THIS DOCUMENT IS PROPRIETARY AND CONFIDENTIAL AND IS SUPPLIED ON THE EXCLUSIVE CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR DISCLOSED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	

02

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval		
Description Work Order Deviation				Disposition					
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐							
		OTHER : ☐							

Purchase Order Receipt Listing

Page 1 of 2

Friday, October 31, 2014 9:28:41 AM

All amounts are calculated in domestic currency.

All Vendors PO ID PO26272 Receipt Dates from 10/31/2014 to 10/31/2014 All Line Item Types
All Item ID/GL/WOs All Rec. Employees All Currencies
Grouped by Vendor ID

Purchase Order ID/ Curr Type	Line Nbr/ Insp Req	Project ID	Reference/ Description/ Cert Std	PO U/M/ Stock U/M	Required Date Required Qty	Recv Date/ Recv Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MRB Qty/ MRB Reject Qty	Book Amt
VendorID/Vendor Name VC-COP001 Thyssenkrupp Materials CA Ltd											
PO26272	1		M303R0.750		11/3/2014	10/31/2014	48.0000	\$3.11	0.0000	0	\$149.15
CAD	No		303 Round Bar 0.750"		48.0000	DCUSER		\$149.15	0.0000	0	
			m130745								
	2		M6061T6R0.625	f	11/3/2014	10/31/2014	60.0000	\$0.74	0.0000	0	\$44.16
	No		6061-T6 Round Bar .625"	f	60.0000	DCUSER		\$44.16	0.0000	0	
			m130745								
	3		M6061T6R0.750	f	11/3/2014	10/31/2014	120.0000	\$1.04	0.0000	0	\$124.78
	No		6061-T6 Round Bar .750"	f	120.0000	DCUSER		\$124.78	0.0000	0	
			m130745								
	4		M304S16GA	sf	11/3/2014	10/31/2014	96.0000	\$4.72	0.0000	0	\$452.98
	No		304/316 Sheet .063	sf	96.0000	DCUSER		\$452.98	0.0000	0	
			m130745								
	5		M304S20GA	sf	11/3/2014	10/31/2014	192.0000	\$2.97	0.0000	0	\$570.56
	No		304/316 .040 Sheet	sf	192.0000	DCUSER		\$570.56	0.0000	0	
			m130745								
	6		M6061T6S.125	sf	11/3/2014	10/31/2014	64.0000	\$5.29	0.0000	0	\$338.44
	No		6061-T6 .125 Sheet	sf	64.0000	DCUSER		\$338.44	0.0000	0	
			m130745								
	7		M6061T6S.063	sf	11/3/2014	10/31/2014	160.0000	\$2.72	0.0000	0	\$435.15
	No		6061-T6 .063 Sheet	sf	160.0000	DCUSER		\$435.15	0.0000	0	
			m130745								
	8		M6061T6B0.750X08.000	f	11/3/2014	10/31/2014	12.0000	\$18.08	0.0000	0	\$216.97
	No		6061-T6 BAR .750" X 8.00"	f	12.0000	DCUSER		\$216.97	0.0000	0	
			m130745								

SHIP FROM:
THYSSENKRUPP MATERIALS NA
2821 LANGSTAFF ROAD
CONCORD, ONTARIO L4K 5C6
Tel: 905 669 9444 Fax: 905-738-9033

SHIP TO: (1)
DART AEROSPACE

NO: PEC 903546
SHIP DATE 30Oct14 at 15:25 From PFW
Probill
Via VIM TRANSFER
FOB CONCORD
Frt PREPAID
Route 0-0 Manifest
Vhcle Trailer
Slp STAN IVERS (905-532-1350)
Sold To: (20115)
DART AEROSPACE

B I L L O F L A D I N G

6) Our Order PEC-736420- 6 Your PO # 26272

ALUMINUM SHEET 6061 T6

.1250 Nom X 48.0000" X 96.0000"

Heat Number

Z-1406Y6022

Tag No

347787

Quantity

64.00 SFT

PCS

2

Wt LBS

112

MTR

7) Our Order PEC-736420- 7 Your PO # 26272

ALUMINUM SHEET 6061 T6

.0640 Nom X 48.0000" X 96.0000"

Heat Number

Z-1404Y6027

Tag No

347788

Quantity

160.00 SFT

PCS

5

Wt LBS

142

MTR

8) Our Order PEC-736420- 8 Your PO # 26272

ALUMINUM FLT BAR ECONORLT 6061-T6511

.750" X 8.00" X 144.0000"

Heat Number

Z00102085

Tag No

347684

Quantity

12 FT

PCS

1

Wt LBS

84

MTR

TOTAL:

Tags

8

PCS

36

LBS

1017

Heat Number

201411304

40959-188

502403

982325

N3B7

Z-1404Y6027

Z-1406Y6022

Z00102085

*** Chemical Analysis ***

MILL TEST REPORTS, PACKING SLIPS ARE TO SENT
WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR

Page: 2Continued

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ETRE
RAPPORTEES IMMEDIATEMENT.

ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY

RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

RECU EN BONNE CONDITIONS / RECEIVED IN GOOD CONDITION

DATE

THYSSENKRUPP MATERIALS NA

DART AEROSPACE
ALUMINUM SHEET 6061 T6
.1250 Nom X 48.0000" X 96.0000"
PART NO.

PO/Ref 26272
We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-903546-006 30Oct14
Signed by: *mke* Pg 2/2

ZB-1406YB070	3003/H22	.250*48*96	136	20	93	13	31
ZB-1406YB070	3003/H22	.250*48*120	136	20	93	13	31
ZB-1406Y5021	5052/H32	.188*48*120	216	31	171	25	6
ZB-1406Y5023	5052/H32	.250*48*96	221	32	164	24	14
ZB-1406Y5023	5052/H32	.250*48*120	221	32	164	24	14
Z-1406Y6022	6061/T6	.125*48*144	314	46	258	37	18
Z-1406Y6022	6061/T6	.125*48*96	314	46	258	37	16
Z-1406Y6023	6061/T6	.063*48*144	376	55	354	51	12
Z-1406Y6023	6061/T6	.063*48*96	376	55	354	51	12
ZB-1406Y6021	6061/T6	.188*48*96	346	50	302	44	11
ZB-1406Y6021	6061/T6	.188*48*144	346	50	302	44	11

PRODUCER: ZHENGZHOU MINGTAI INDUSTRY CO., LTD

ZHENGZHOU MINGTAI INDUSTRY CO., LTD.
郑州明泰实业有限公司

张



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO26272

Purchase Order Date 10/28/2014

PO Print Date 10/29/2014

Page Number 3 of 5

Order From : VC-COP001
THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL "A"
TORONTO, ON M5W 5V8
CA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name
Vendor Phone 905 669 9444

Ship To Contact
Ship To Phone
Ship Via: VENDOR'S TRUCK
Ship Acct:

Buyer Chantal Lavoie
Customer POID
Customer Tax # 10127-2607
Terms Net 30
Currency CAD
FOB FCA - (Free Carrier)

Line Total: \$639.00

6	M6061T6S.125	6061-T6 .125 Sheet	11/3/2014 Yes 11/3/2014	64.00 sf	✓	\$5.92	\$379.04
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MATERIAL: 6061-T6/T62 ALUMINUM SHEET
AS PER QQ-A-250/11 OR AMS-QQ-A-250/11
OR AMS 4025 OR AMS 4027 OR ASTM B209

Line Total: \$379.04

7	M6061T6S.063	6061-T6 .063 Sheet	11/3/2014 Yes 11/3/2014	160.00 sf	✓	\$3.05	\$487.34
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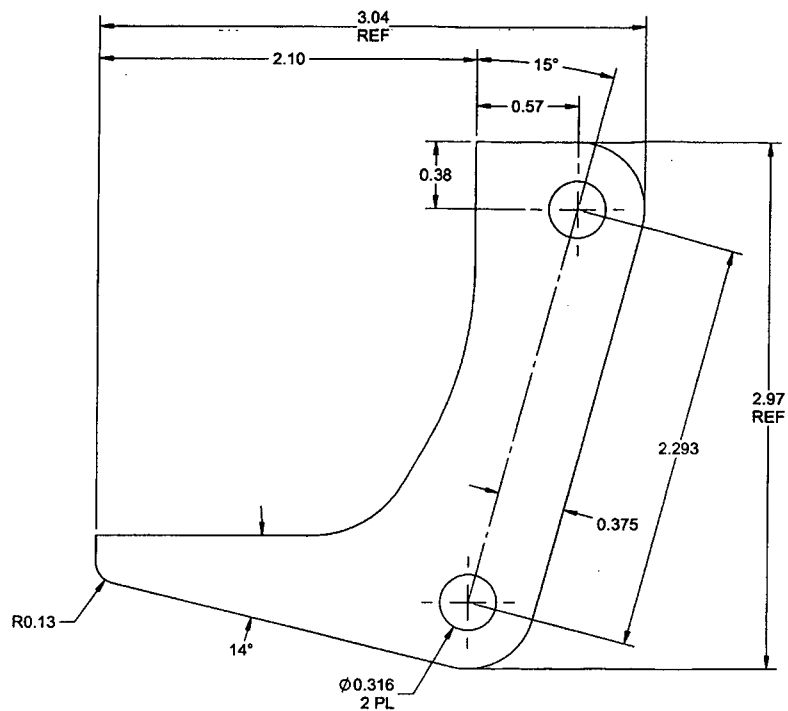
MATERIAL: 6061-T6/T62 ALUMINUM SHEET
AS PER QQ-A-250/11 OR AMS-QQ-A-250/11
OR AMS 4025 OR AMS 4027 OR ASTM B209

Line Total: \$487.34

8014-10-31

Note:

10/29/2014



D3219-1 PLATE

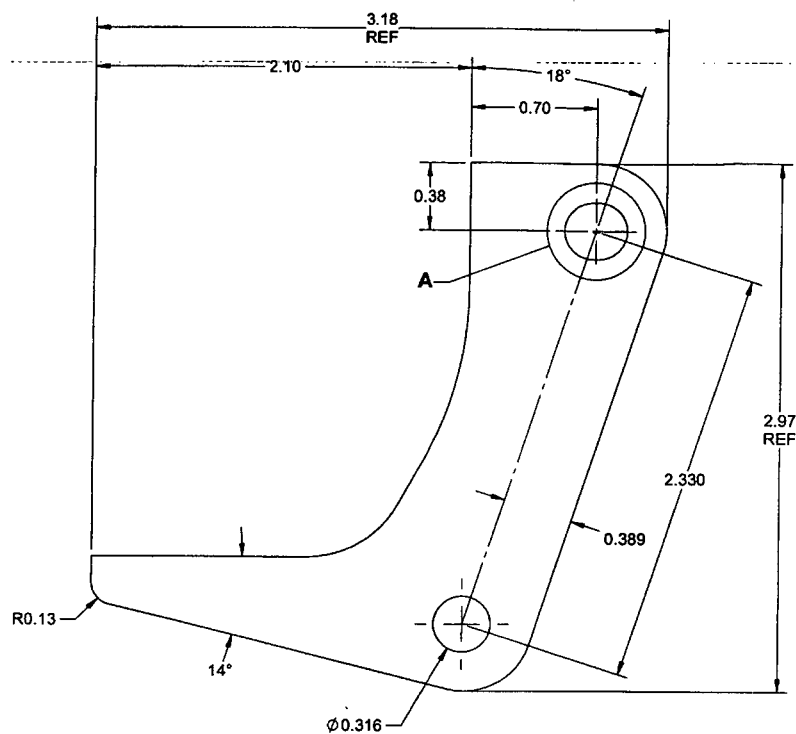
NOTES:

- 1) MATERIAL: 6061-T6 ALUMINUM SHEET, 0.125 THICK
PER: QQ-A-250/11 OR AMS-QQ-A-250/11
OR AMS 4025 OR AMS 4027 OR ASTM B209
REF DART SPEC M6061T6S
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: NONE
- 7) WEIGHT: 0.04 lbs
- 8) ALL NON DIMENSIONED FEATURES PER DRAWING FILE D3219-1-REV B.DXF

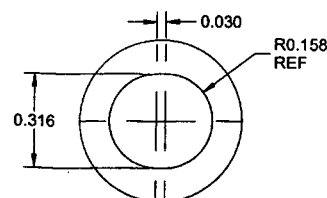
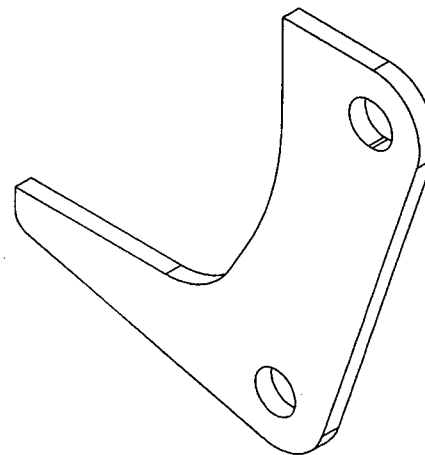
RELEASED
2016-03-14
E2616-656

APPROVED

B	REDRAWN TO CURRENT STANDARDS. ADD -3 & -5. REF CIR15-44.		AJS	15.11.27
A	NEW ISSUE		CP	03.10.10
REV.	DESCRIPTION		BY	DATE
DESIGN	CP	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA		
DRAWN	AJS			
CHECKED	ML	DRAWING NO.	REV. B	
MFG. APPR.	JLM	D3219		SHEET 1 OF 3
APPROVED	WM	TITLE	SCALE	
DE APPR.	DS	PLATE	NTS	
DATE	15.11.27	COPYRIGHT © 2003 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.		



D3219-3 PLATE



DETAIL A
SCALE 2.5X

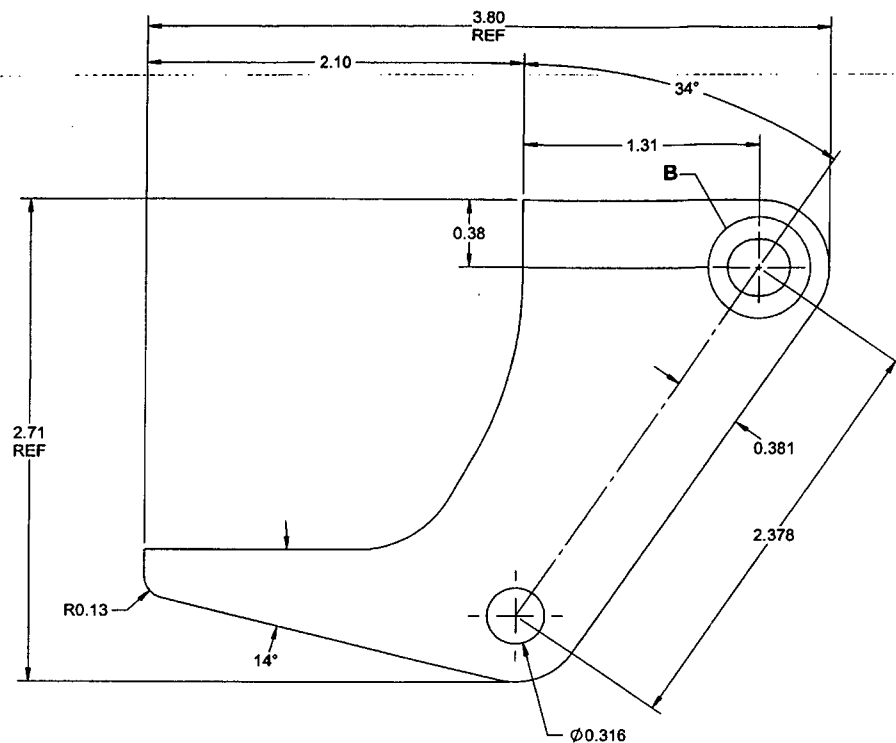
NOTES:

- 1) MATERIAL: 6061-T6 ALUMINUM SHEET, 0.125 THICK
PER: QQ-A-250/11 OR AMS-QQ-A-250/11
OR AMS 4025 OR AMS 4027 OR ASTM B209
REF DART SPEC M6061T6S
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: NONE
- 7) WEIGHT: 0.04 lbs
- 8) ALL NON DIMENSIONED FEATURES PER DRAWING FILE D3219-3-REV B.DXF

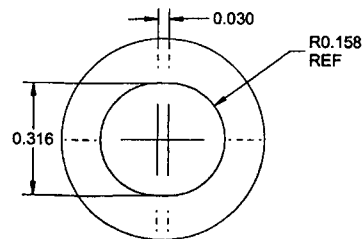
DESIGN	CP	DART AEROSPACE LTD	
DRAWN	AJS	HAWKESBURY, ONTARIO, CANADA	
CHECKED	ML	DRAWING NO.	REV. B
MFG. APPR.	JLM	D3219	SHEET 2 OF 3
APPROVED	WM	TITLE	SCALE
DE APPR.	DS	PLATE	NTS
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2016-03-14

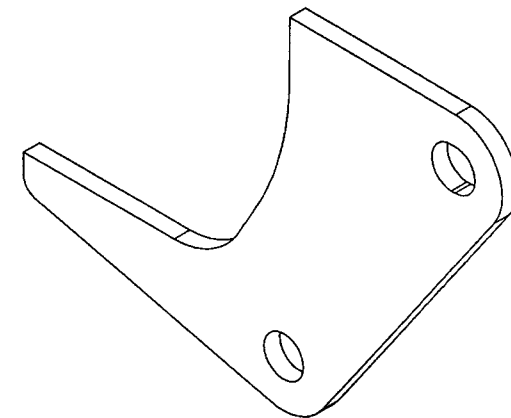
APPROVED



D3219-5 PLATE



DETAIL B
SCALE 2.5X



NOTES:

- 1) MATERIAL: 6061-T6 ALUMINUM SHEET, 0.125 THICK
PER: QQ-A-250/11 OR AMS-QQ-A-250/11
OR AMS 4025 OR AMS 4027 OR ASTM B209
REF DART SPEC M6061T6S
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: NONE
- 7) WEIGHT: 0.05 lbs
- 8) ALL NON DIMENSIONED FEATURES PER DRAWING FILE D3219-5-REV B.DXF

RELEASED
2016-03-14

APPROVED

DESIGN	CP	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	AJS		
CHECKED	ML	DRAWING NO.	REV. B
MFG. APPR.	JLM	D3219	SHEET 3 OF 3
APPROVED	WM	TITLE	SCALE
DE APPR.	DS-4	PLATE	NTS
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